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PTO/SB/21 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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**TRANSMITTAL
FORM**

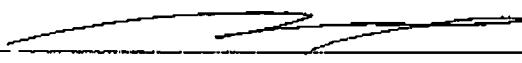
(to be used for all correspondence after initial filing)

| | | | |
|--|----|------------------------|---------------------|
| | | Application Number | 09/683,117 |
| | | Filing Date | November 20, 2001 |
| | | First Named Inventor | FLETCHER, DANIEL A. |
| | | Group Art Unit | 3731 |
| | | Examiner Name | Bui, Vu Q. |
| Total Number of Pages in This Submission | 15 | Attorney Docket Number | STAN-191CIP |

ENCLOSURES (check all that apply)

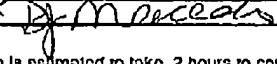
| | | |
|---|---|--|
| <input checked="" type="checkbox"/> Fee Transmittal Form | <input type="checkbox"/> Assignment Papers (for an Application) | <input type="checkbox"/> After Allowance Communication to Group |
| <input type="checkbox"/> Fee Attached | <input checked="" type="checkbox"/> Drawing(s) | <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences |
| <input checked="" type="checkbox"/> Amendment / Reply | <input type="checkbox"/> Licensing-related Papers | <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) |
| <input type="checkbox"/> After Final | <input type="checkbox"/> Petition | <input type="checkbox"/> Proprietary Information |
| <input type="checkbox"/> Affidavits/declaration(s) | <input type="checkbox"/> Petition to Convert to a Provisional Application | <input type="checkbox"/> Status Letter |
| <input checked="" type="checkbox"/> Extension of Time Requested | <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address | <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): USPTO Credit Card Form |
| <input type="checkbox"/> Express Abandonment Request | <input type="checkbox"/> Terminal Disclaimer | |
| <input type="checkbox"/> Information Disclosure Statement | <input type="checkbox"/> Request for Refund | |
| <input type="checkbox"/> Certified Copy of Priority Documents | <input type="checkbox"/> CD, Number of CD(s) | |
| <input type="checkbox"/> Response to Missing Parts/ Incomplete Application | | |
| <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 | | |
| Remarks | | |

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

| | | | |
|-------------------------------|--|--|--|
| Firm or Individual Name | BRET E. FIELD, Reg. No. 37,620 | | |
| Signature |  | | |
| Date | December 13, 2004 | | |

CERTIFICATE OF FACSIMILE TRANSMISSION

I hereby certify that this correspondence is being facsimile filed under 37 C.F.R. §§ 1.6(d) and 1.8(a)(1)(b) addressed to: 703-872-9306 on this date: December 13, 2004.

| | | | |
|----------------------|---|------|-------------------|
| Type or printed name | Donna Maccia | Date | December 13, 2004 |
| Signature |  | | |

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PTO/SB/17 (10-03)

Approved for use through 07/31/2006. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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FEE TRANSMITTAL for FY 2004

Effective 10/01/2003, Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 163.00)

METHOD OF PAYMENT (check all that apply)

 Check Credit Card Money Order Other None

Deposit Account:

| | |
|------------------------|---------------------------------|
| Deposit Account Number | 50-0815 |
| Deposit Account Name | Bozicovic, Field & Francis, LLP |

The Director is authorized to: (check all that apply)

 Charge fee(s) indicated below Credit any overpayments

 Charge Any Additional Fee(s) Required under 37 C.F.R. 1.17.
 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

| Large Entity Fee (\$) | Small Entity Fee (\$) | Fee Description | Fee Paid |
|-----------------------|-----------------------|--------------------------------|----------|
| 1001 | 700 | 2001 305 Utility filing fee | |
| 1002 | 350 | 2002 175 Design filing fee | |
| 1003 | 550 | 2003 275 Plant filing fee | |
| 1004 | 790 | 2004 395 Reissue filing fee | |
| 1005 | 160 | 2005 60 Provisional filing fee | |

SUBTOTAL (1)

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

| Fee from | | | |
|--------------------|--------------------|----------|----------|
| Total Claims | Extra Claims below | Fee | Fee Paid |
| 35 | -23** = 12 | x 9.00 | = 108.00 |
| Indep. Claims | 5 | -5** = 0 | x = |
| Multiple Dependent | | | = |

| Large Entity Fee (\$) | Small Entity Fee (\$) | Fee Description |
|-----------------------|-----------------------|---|
| 1202 | 18 | 2202 9 Claims in excess of 20 |
| 1201 | 88 | 2201 44 Independent claims in excess of 3 |
| 1203 | 300 | 2203 150 Multiple dependent claim, if not paid |
| 1204 | 88 | 2204 44 ** Reissue Independent claims over original patent |
| 1205 | 18 | 2205 9 ** Reissue claims in excess of 20 and over original patent |

SUBTOTAL (2) \$ 108.00

** or number previously paid, if greater; For Reissues, see above.

| Complete if Known | |
|----------------------|---------------------|
| Application Number | 09/683,117 |
| Filing Date | November 20, 2001 |
| First Named Inventor | FLETCHER, DANIEL A. |
| Examiner Name | BUI, VY Q |
| Art Unit | 3731 |
| Attorney Docket No. | STAN-191CIP |

FEE CALCULATION (continued)

| 3. ADDITIONAL FEES | | | |
|---------------------------|---------------|--|----------|
| Large Entity | Small Entity | | |
| Fee Code (\$) | Fee Code (\$) | Fee Description | Fee Paid |
| 1051 | 130 | 2051 65 Surcharge - late filing fee or oath | |
| 1052 | 50 | 2052 25 Surcharge - late provisional filing fee or cover sheet | |
| 1053 | 130 | 1053 130 Non-English specification | |
| 1812 | 2,520 | 1812 2,520 For filing a request for ex parte reexamination | |
| 1804 | 920 | 1804 920* Requesting publication of SIR prior to Examiner action | |
| 1805 | 1,840 | 1805 1,840* Requesting publication of SIR after Examiner action | |
| 1251 | 110 | 2251 55 Extension for reply within first month | 55.00 |
| 1252 | 430 | 2252 215 Extension for reply within second month | |
| 1253 | 980 | 2253 490 Extension for reply within third month | |
| 1254 | 1,530 | 2254 785 Extension for reply within fourth month | |
| 1255 | 2,080 | 2255 1,040 Extension for reply within fifth month | |
| 1401 | 340 | 2401 170 Notice of Appeal | |
| 1402 | 340 | 2402 170 Filing a brief in support of an appeal | |
| 1403 | 300 | 2403 150 Request for oral hearing | |
| 1451 | 1,510 | 1451 1,510 Petition to institute a public use proceeding | |
| 1452 | 110 | 2452 55 Petition to revive - unavoidable | |
| 1453 | 1,370 | 2453 685 Petition to revive - unintentional | |
| 1501 | 1,370 | 2501 685 Utility issue fee (or reissue) | |
| 1502 | 490 | 2502 245 Design issue fee | |
| 1503 | 680 | 2503 330 Plant issue fee | |
| 1406 | 130 | 1460 130 Petitions to the Commissioner | |
| 1807 | 50 | 1807 50 Processing fee under 37 CFR 1.17(q) | |
| 1806 | 180 | 1806 180 Submission of Information Disclosure Stmt | |
| 8021 | 40 | 8021 40 Recording each patent assignment per property (times number of properties) | |
| 1809 | 790 | 2809 385 Filing a submission after final rejection (37 CFR § 1.129(a)) | |
| 1810 | 760 | 2810 385 For each additional invention to be examined (37 CFR § 1.129(b)) | |
| 1801 | 790 | 2801 395 Request for Continued Examination (RCE) | |
| 1802 | 900 | 1802 900 Request for expedited examination of a design application | |
| Other fee (specify) _____ | | | |

*Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$)

55.00

| SUBMITTED BY | | | |
|------------------------|-----------------------------------|-----------|----------------|
| Complete if applicable | | | |
| Name (Print/Type) | Registration No. (Attorney/Agent) | Telephone | (650) 833-7770 |
| Signature | | Date | 12/13/2004 |

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This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

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FAX 12/14/2004
GPO:2004 MAR 12 2005VIA FACSIMILE

DEC 14 2004

703 872 9306

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:
Fletcher, Daniel A.

Confirmation: 9340

Serial No.: 09/683,117

Group Art Unit: 3731

Filed: November 20, 2001

Examiner: Buy, Vy Q

For: MICROFLUIDIC DEVICES AND
METHODS FOR PRODUCING
PULSED MICROFLUIDIC JETS IN A
LIQUID ENVIRONMENT

Attorney Docket No.: STAN-191CIP

RESPONSE TO OFFICE ACTION PURSUANT TO 37 C.F.R. § 1.111Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Applicants submit the following amendments and remarks in response to the detailed Office Action mailed August 12, 2004, and respectfully request the above-identified application be reconsidered in view of the following amendments and remarks.

12/15/2004 BONNER 00000012 500815 09683117

01 FC:2202 137.00 DA 163.00 OP
02 FC:2251 60.00 DA